

Appl. No. 09/706,926
Amdt. dated July 30, 2008
Reply to final office action of May 30, 2008

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A method for representing cartographic data in a computer-based system, comprising:

providing a cartographic database containing data that represents a plurality of geographic features;

computing a plurality of wavelet coefficients from said data that represents one of said geographic features in the cartographic database, wherein said data that represents the geographic feature is a plurality of data points indicating locations, wherein said wavelet coefficients obtained with a wavelet, wherein said wavelet being one of a family of functions

having a form $\psi_{ab}(x) = |a|^{-1/2} \psi\left(\frac{x-b}{a}\right)$, wherein $\psi_{ab}(x)$ is called a mother wavelet, a is

called a dilation parameter, b is called a translation parameter, and x is an independent variable, wherein said computing the wavelet coefficients includes applying a wavelet transform to a function defined by the data points representing the geographic feature;

indexing the wavelet coefficients by a plurality of display scales; and